

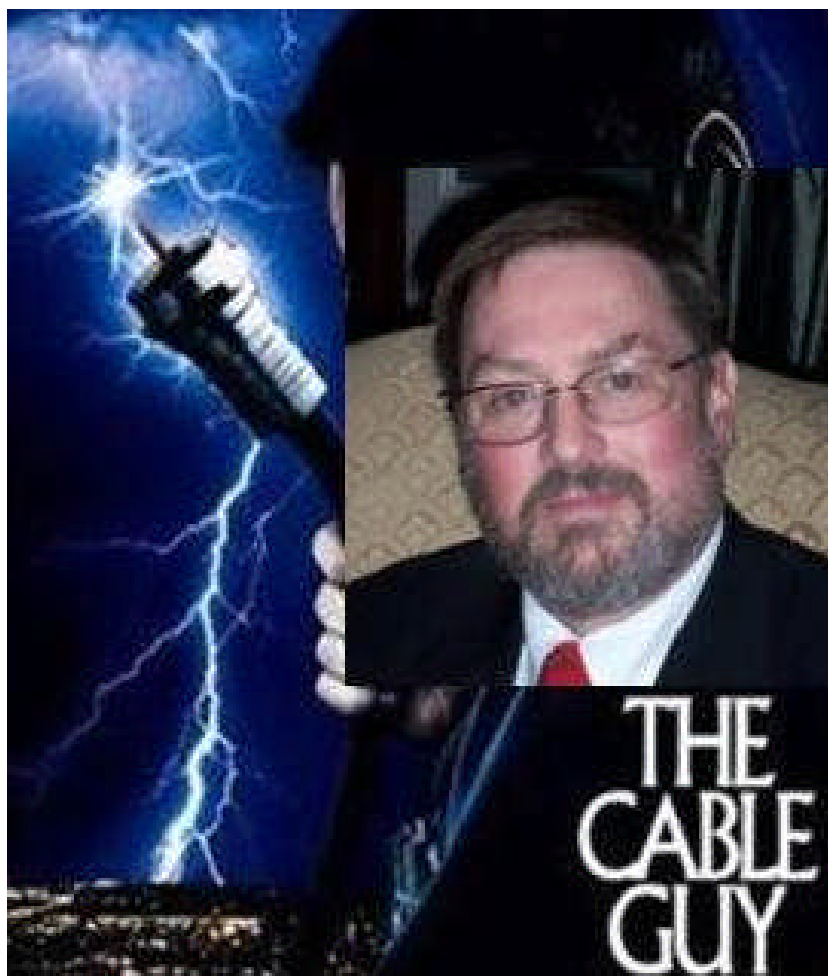
**MONTHLY MEETING**  
**Friday May 20, 2016**  
**7:30pm**

**Our Saviors Lutheran Church**  
**1035 Carol Lane Lafayette**  
**License Testing 6pm**  
**DX Interest Group 6:30pm**

<b>Officers and Appointees</b>	<b>2</b>
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<b>New Club Members</b>	<b>4</b>
<b>Roundtable Fundraiser</b>	<b>5</b>
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<b>Extra Class License Class</b>	<b>8</b>
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<b>Club Calendar</b>	<b>10</b>



## This Month's Meeting



**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

Steve Lampen from Belden Cable will teach us about the many subtle differences in coaxial cable. Why are there so many types? What's the difference?

Hope to see you there !

73, Mike Patterson, N6JGA, President

# NEXT MONTH IS...



ALL MEMBERS ARE INVITED TO JOIN  
THE CLUB YAHOO GROUP.  
DOWNLOAD FILES, INCLUDING *THE  
CARRIER* IN **FULL COLOR** AS WELL AS  
SHARE INFORMATION WITH THE  
MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

\*\*\*\*\*

**Mount Diablo Amateur Radio Club W6CX**  
**P.O. Box 23222 Pleasant Hill, CA 94523**  
**(925) 288-1730**

*The Carrier* is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

**President** - Mike Patterson, N6JGA  
**Vice President** - Will Dickson, WB6YGI  
**Secretary** - Dick Fletcher, AF9RF  
**Treasurer** - Cathi Walton, KJ6YNO

**Technical Committee Chair**  
Jim Siemons, AF6PU

**Directors At Large**  
Trevor Hall, WA6JAU Mitchell Boyce, W8DOD  
Janice Fujii, KG6VTD Francis O'Leary, KF6FRJ

**Emergency Coordinator** - Ron Bunch, W4FEK

## **PACIFICON 2016**

Chair: Misa Siemons, KJ6BUE  
Registration: Tom Deeble, KA6SIP & Debbie Deeble  
Treasurer: Jim Siemons, AF6PU  
Secretary: Pete Harris, KE6ZIW  
Web Page: Mike Patterson, N6JGA

**Membership Chair** - Tom Deeble, KA6SIP  
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX  
Repeater Trustee - Jay Caldis, KT6Y  
Education & Training Chair - John Primus, AF6RJ  
License Testing - Larry Loomer, KI6LNB  
Public Service - Pete Harris, KE6ZIW  
Outreach Coordinator - Jim Siemons, AF6PU  
Field Day Chair - Mitchell Boyce, W8DOD  
Refreshments - Elizabeth Styles KG6HLV  
Holiday Party - Misa Siemons KJ6BUE  
Trailer - Patrick Miller, KK6DBX

***The Carrier*** Newsletter  
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# PRESIDENT'S QTC

MDARC Family,

Spring is upon us. The San Jose Sharks are back in the Western Conference finals on their way to the Stanley Cup; and rumor has it that the Warriors have won a game or two. Life is good.

Another rite of Spring soon to be upon us is Field Day. I hope it's already on your calendar for June 24-26. MDARC will return to the Heather Farm Park in Walnut Creek.

We're coordinating with the Walnut Creek Community Emergency Response Team (CERT) at Field Day this year. They are scheduling a number of displays and demonstrations of ham technologies in a community center classroom adjacent to the parking lot where we'll be. Some of the technologies CERT is planning for are DX, satellite operation, fldigi digital communications and Echolink. If you are knowledgeable in any of these or other technologies and would like to explain and demonstrate them to the public, let us know. We're also planning a license test session Saturday afternoon, after the CERT displays close.

Also, Mitch Boyce, W8DOD, our Field Day Chair, needs operators for all bands and all hours. Please contact him if you can help out. We'll be setting up Friday afternoon and evening; operate Saturday afternoon and all night into Sunday morning; then strike the equipment beginning mid-day Sunday.

Our Club meeting this month is having what is sure to be a fascinating presentation. Steve Lampen from Belden Cable will be there to teach us about the many subtle differences in coaxial cable. Why are there so many types? What's the difference? See our Speaker's Page at <http://www.mdarc.org/activities/club-meetings/speakers>, then come on down to the Club meeting.

In a first for our Club, MDARC is joining with Round Table Pizza in a fundraiser for us. Head for Round Table Pizza in Pleasant Hill on July 20th, anytime of the day. 15% of your total eligible order will be donated directly to MDARC. Great pizza and a good cause, all in one. Can't beat that. See the flyer elsewhere in this edition of the Carrier for details, or download a copy from our web site at <http://www.mdarc.org/resources/donate-to-mdarc/roundtable-fundraiser>. You must let them know you're there for the MDARC fundraiser for it to count, so bring a copy of the flyer with you. Let's make this a great turnout and enjoy some good pizza and ham-style conversation.

Pacificon is firing on all cylinders. Registration is open so get signed up. Most of our vendor booths and tables have been sold already. The keynote speaker at the Banquet will be the ARRL's new CEO, Tom Gallagher, NY2RF, of West Palm Beach, Florida. Tom oversees all activities at ARRL Headquarters in Newington, Connecticut and has a long and storied career in communications. Gordon West and Bob Heil will join us again this year, with their outstanding presentations. You won't want to miss Pacificon this year, with all the events happening, including the annual Antenna Forum; Gordo's breakfast; the annual Banquet; Kit Assembly; the Exhibitor's Hall; the Special Event Station, Parachute Mobile and all of the many forums and other activities happening the weekend of Oct. 14-16. And don't forget that our Club regular meeting in October will be at Pacificon instead of the usual location. Check it all out at <http://www.pacificon.org>.

Our Auction last month was an outstanding success. We surely set a record for income to the Club, thanks to several very generous donations; including a complete Elecraft K3 system in near-mint condition. We'll announce the financial results at this month's Club meeting. I want to thank the people that made this happen. Bill Swindell, K1LED, our Auction chair, organized, managed and provided logistics for the whole thing. Jay Caldis KT6Y, handled check-in, making sure all bidders and sellers were registered and track-able. Jim Siemons, AF6PU, was our excellent auctioneer. And Mitch Boyce, W8DOD, did the heavy lifting, making sure all the items were where they needed to be when they needed to be there. Their time and hard work were essential in making this event successful. Thank you. **(CONTINUED ON NEXT PAGE)**



The Education and Training Committee will be completing a General upgrade class this month. They will take a summer break from license classes, having some Get-On-The-Air (GOTA) and auxiliary sessions; then start again August 4th with a 10-class course for upgrading to Amateur Extra. Their pass-rate history is outstanding, with about an 80% passing the test after taking our courses. Not only that, the students actually learn a lot about ham radio, unlike those ham cram sessions. If you don't have your Extra class yet, put this course on your calendar and send an email to [HamRadioClass@gmail.com](mailto:HamRadioClass@gmail.com) to register.

The first of two annual Alcatraz Challenge events is coming right up on May 29, where people much braver (or crazier) than me swim from Alcatraz Island to the Marina District, then run or bike for several miles. This is a wonderful public service event for you early risers, giving you beautiful views of San Francisco, Marin County and the Bay. Our Public Service crews then get to take June off so they can help out at Field Day. They pick it up again with a July 4th parade in Pleasant Hill. Check out all the public service events at: <https://sites.google.com/a/mdarc.org/mdarc/activities/public-service> and sign up for those you can help at.

All in all, we're heading into a busy and fun summer. Let's keep it going.

73 until next time,

Mike Patterson, N6JGA  
President

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**Royce Anderson, KM6BNN**  
**Dawn Collings, KF6NGX**  
**Ron Collings, W6NIT**  
**Jennifer Schild, KM6BGG**  
**Peter Schild, KM6BNV**

**Larry Valdez, KK6UNW**  
**Jack Weir, KM6BCX**

# Pizza Fundraiser



## MOUNT DIABLO AMATEUR RADIO CLUB

**Present this flyer and Round Table will donate **15%** of your eligible\* order to the club!**

**WED – JULY 20<sup>TH</sup>**

**11:30 a.m. – 9:30 p.m.**

Dine-In - Take-Out



Valid Only at:

**PLEASANT HILL 716 Contra Costa Blvd. 798-3355**

We love to support our community!

**\*Not Valid with any other offer, coupons, alcohol or lunch/dinner combo/buffet.**

**47th Anniversary Campout Party**  
**Presented by the San Francisco Amateur Radio Club & Mount Diablo Amateur Radio Club**

**"A 2016 Camping Adventure" - June 3rd, 4th & 5th, 2016**

**Introduction**

The joint SFARC-MDARC campout will take place starting on Friday, June 3rd and end on Sunday, June 5th at the Sugar Pine Dam Recreation Area. It is one of the most beautiful spots in Placer County. This will be a joint venture between the Club and another group of radio amateurs who have been meeting for this annual event for over 40 years. We are limited to 50 people at this site so get your reservations in early.

**What The Campsite Provides & Communication**

At approximately 3,000 feet above sea level, the campground has water and restroom facilities, no hookups, but nice spaces for trailers, tents and motor homes. There are three large barbecue pits available at our site as well as a large recessed pit for a grand campfire. There are plenty of trees as well as open space for stringing a G5RV and a double extended zepp for your HF station if it is your desire to bring one. However there are plans for at least one active HF station from WA6UHA (weather permitting). We will be using the club call, W6PW. Tentatively our stations will be active on 40 and 75 meters, during the day on the Noon Time Net frequency of 7268.5 khz (Friday afternoon and all day Saturday) and at night (Friday & Saturday) on 3952 khz (the [Western Public Service Net](#) frequency). It's time to pack up and enjoy the great outdoors and warm up for Field Day coming three weeks later. VHF and UHF paths for both Bay Area and Sacramento television and FM stations are quite good even with simple antennas. Obviously, working 2 meters and 440 into Sacramento and the Bay Area repeaters is not difficult especially during the early morning hours when path conditions are ideal. Call-in will be on the Mount Diablo W6CX 2 meter system 147.06+600 PL 100. Alternate system: 146.745 -600 W6SAR Foresthill PL 156.7. The Sugar Pine Lake is just a 1/2 mile from the campsite. A hiking trail leads to the water and connects to another trail that follows the perimeter of the lake. The main swimming area is located on the opposite side of the lake and is accessible by hiking or by a 10 minute drive.

**Friday, June 3**

Between 12 noon and 1 PM, the forest ranger will arrive to unlock the gate for access to our site. The gate will remain open through out our stay. Also during this time and throughout the afternoon and the early evening the 145.43 repeater (PL 162.2hz), as well as the 146.745 -600 W6SAR Foresthill PL 156.7 will be monitored. If you are a distance away from the campsite, the Mt. Diablo W6CX repeater (147.06 +600 100hz PL) will be available. When you arrive, park at any of the available spaces. There are plenty.

That evening, you are on your own for dinner. Use your Weber or the barbecue pits provided at the site.

**Saturday, June 4**

In the morning, you are on your own for breakfast after which, if you desire, join us for a hike to and around the lake. Weather pending, the view will be picture postcard as we make our way around. We will pass the swimming area and cross the dam as we make our way back to Rocky Ridge. The hike should take approximately 2 hours.

After arriving back at the campsite, you are on your own for lunch if you desire but most of us would probably settle for a tall cold one. Later on you can scrounge around for wood for the campfire that night. Around 4:30 the full socializing begins and the bar is open. Bring out the appetizers and munches which is part of the pot luck. Also during this time, the host supplied charcoal will be prepared and the barbecue pits will be lit. However, before dinner as an idea conceived by Fred Townsend AE6QL, we will have a champagne cork popping contest. To participate in this event, bring your own champagne ...**AND NO BOTTLES WITH SCREW-ON CAPS...CORK ONLY.**

As for dinner that follows, the hot coals will be provided for cooking your choice of meat. Please bring out a side dish, salad, rolls for dinner and dessert to share, and don't forget there will be great music for everyone's taste provided by Dave, WA6UHA.

After dinner, the camp fire will be started so bring your own marshmallows. The sticks will be provided by the campsite. Enjoy the fire as we sing, chat, or whatever you would like to do at this time. Plus we will have a real space odyssey star party with a few astronomical telescopes set up.

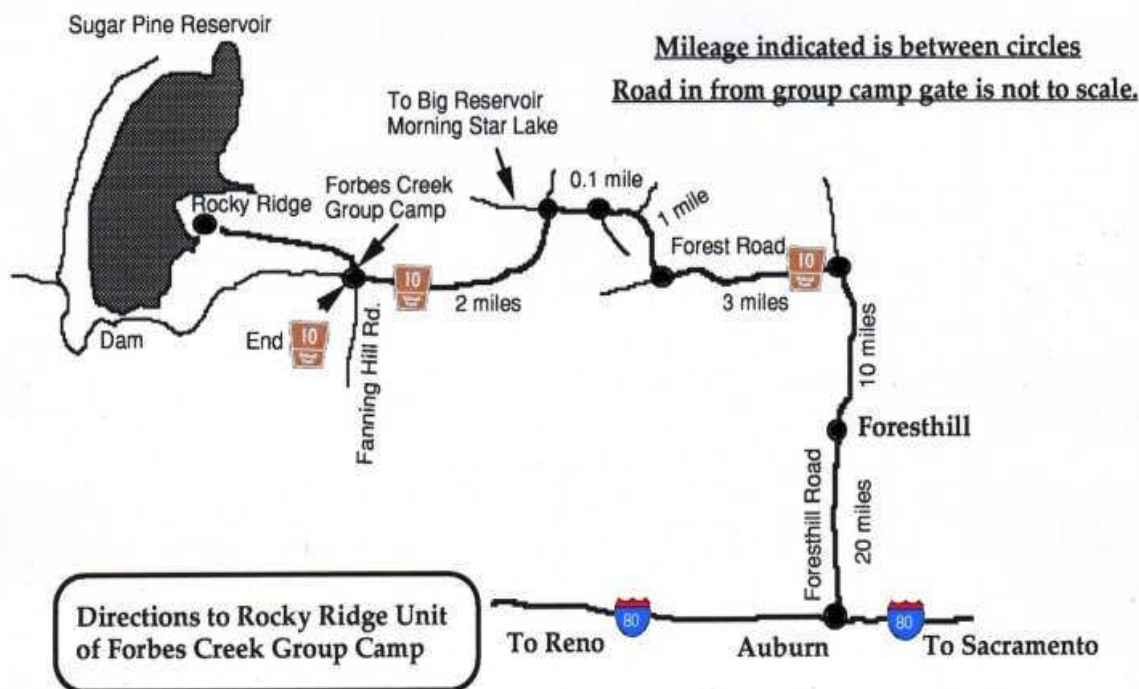
Sunday, June 5

At approximately 8 am, preparation will be underway for the host provided barbecued pancakes. Two kinds will be provided, plain and Oregon Blueberry. After many years of research we were able to come up with a process that prevents the pancake batter from seeping through the grill and on to the charcoal. Supply your own beverages and sides and share if you like.

In the late morning, it's cleanup time and we say our good-byes until next year.

### ***Looks Great...Now How Do We Get There??***

From San Francisco, drive east on Interstate 80 through Auburn and exit at Foresthill. Head east on Foresthill Road crossing the mile long panoramic American River Bridge. Continue heading east for about 20 miles and you will reach the town of Foresthill. After passing through town continue east for another 10 miles and turn left at Sugar Pine Dam Road. There should be sign just before you reach the junction. Once you are on Sugar Pine Dam Road (Route 10), follow the road carefully, there are a few turnoffs that can possibly throw you off course. If you have any questions while on Foresthill or Sugar Pine Dam road, you should be in simplex range. Monitor 146.49. The 145.43 (PL 162.2) Auburn repeater should also be available and it will be the primary talk-in to get you to the site. In any case, stay on the blacktop. Eventually you approach a junction with the main road going slightly to the left and a road going slightly to the right with a gate which should be open for us. This is also the junction where route 10 ends as indicated by a sign even though the road continues. As you go past the gate, there is a sign posted there marking the reserved group campsites. Follow the signs for the Rocky Ridge site which will be reserved for us. The total drive time from San Francisco to the campground should be approximately 3 hours if you avoid the Bay Area and Sacramento rush hours.



### **Cost to you...very low!!**

Just \$40 per family!! The more the participants...you might not have to dig so deep into your wallet...

To make reservations, please e-mail your name, home QTH, type of vehicle, and number in your party to Dave, WA6UHA, at [youha@comcast.net](mailto:youha@comcast.net).



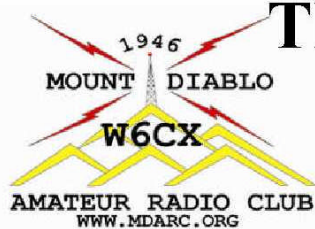
# Ham Radio Course Forming Now!

**Mt. Diablo Amateur Radio Club is**

Sponsoring a 10 week course where you can upgrade your  
Amateur Radio License to  
**Amateur Extra Class**

The Amateur Extra Class license is your top of the line to all the world-wide  
Amateur bands of excitement and Emergency Communications on Ham Radio...

This course is to upgrade your current  
General Class License



**The Course begins on...**

**Thursday August 4<sup>th</sup>, 2016**

First Class starts at 6:30

**Classes 7-9 pm**

**The Salvation Army**

**3950 Clayton Road, (at West St.) Concord 94521**



***Registration is required.***

The class is FREE but there is a \$5 materials fee and the **NEW** 11th  
Edition of the ARRL Extra Class Lesson book about \$27.

*Each student must have full access to a copy of the text.*

Follow up training and License testing will also be available.

**To sign up email: [HamRadioClass@gmail.com](mailto:HamRadioClass@gmail.com)**

and you will automatically receive the registration form.

The MDARC Extra Class starting on August 4th will be using the **NEW 11th edition**  
**of the ARRL Extra lesson plan.** Just wanted to make sure you don't go out and buy  
the ARRL tenth edition if you plan to register for the class. K5REL



# HAM RADIO OUTLET

14 STORE BUYING POWER!

**ICOM**



## IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



## IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



## IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



## ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

## ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz\*\* • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



**KENWOOD**



## TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



## TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



## TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



## TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

## TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



**YAESU**  
The radio



## FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



## FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



## FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



## FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

## FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

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OAKLAND, CA  
(877) 892-1745

SUNNYVALE, CA  
(877) 892-1749

PORTLAND, OR  
(800) 765-4267

PHOENIX, AZ  
(800) 559-7388

WOODBIDGE, VA  
(800) 444-4799

PLANO, TX  
(877) 455-8750

BURBANK, CA  
(877) 892-1748

SAN DIEGO, CA  
(877) 520-9623

NEW CASTLE, DE  
(800) 644-4476

DENVER, CO  
(800) 444-9476

ATLANTA, GA  
(800) 444-7927

SALEM, NH  
(800) 444-0047

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WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



## The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

[www.mdarc.org](http://www.mdarc.org)



## FIRST CLASS

## THIS MONTH: THE CABLE GUY !



Affiliated  
Club

<https://www.facebook.com/mdarc.org>

### W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057  
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

**D-STAR 145.000 offset plus 2.5 MHz**

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500

Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

**ATV Internet Stream: <http://www.w6cxatv.net/live>**

### Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

### Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

## May and June 2016 Club Calendar

Friday May 20, 2016	7:30pm	<b>MDARC General Meeting -</b> Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette
Monday June 6, 2016	7:30pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek
Saturday June 4, 2016	8:00 am	MDARC Technical Committee Environmental Center, 2581 Harbor Street, Pittsburg
Friday June 17, 2016	7:30pm	MDARC General Meeting Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette

**June 25-26, 2016 ANNUAL ARRL FIELD DAY**